



Explorers Program Overview

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2021 Astrophysics MIDEX Explorers AO

Pre-Proposal Conference

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Explorers Program Overview (1 of 2)



- NASA's oldest, continuous program
 - Over 100 successful missions since 1958
- Program Objective—Frequent flight opportunities for world-class scientific investigations
- Uncoupled program of missions with unique science capabilities supporting heliophysics and astrophysics science goals



Explorers Program Overview (2 of 2)



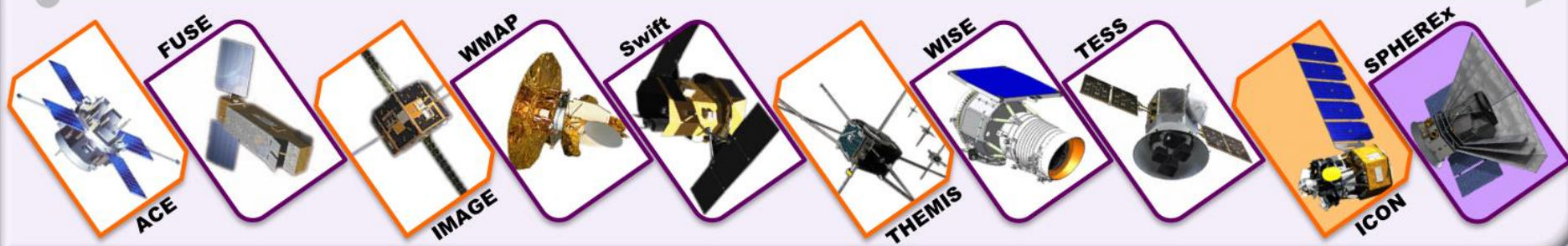
- Mission class characterized by size, schedule, and budget cost caps
 - MIDEX
 - SMEX
 - Mission of Opportunity
 - Missions solicited through Announcement of Opportunity
 - Missions developed in Principal Investigator mode
 - Program Management oversight provided by the Explorers Program Office at GSFC
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Explorers Missions



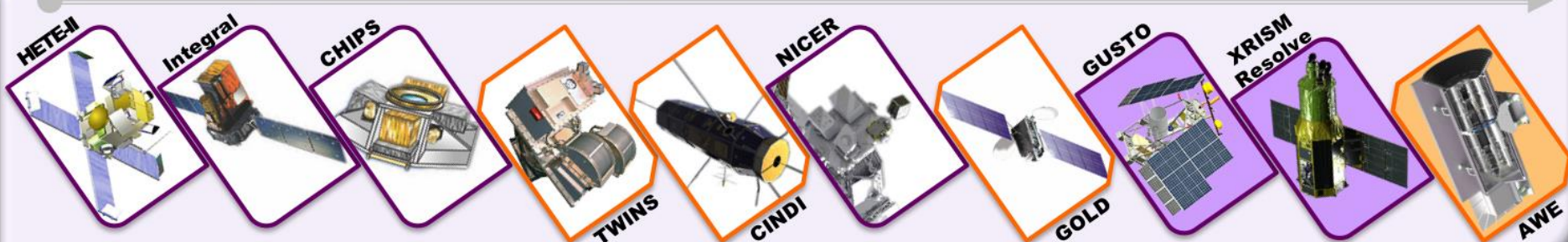
MIDEX



SMEX



UNEX • MO • INTERNATIONALS

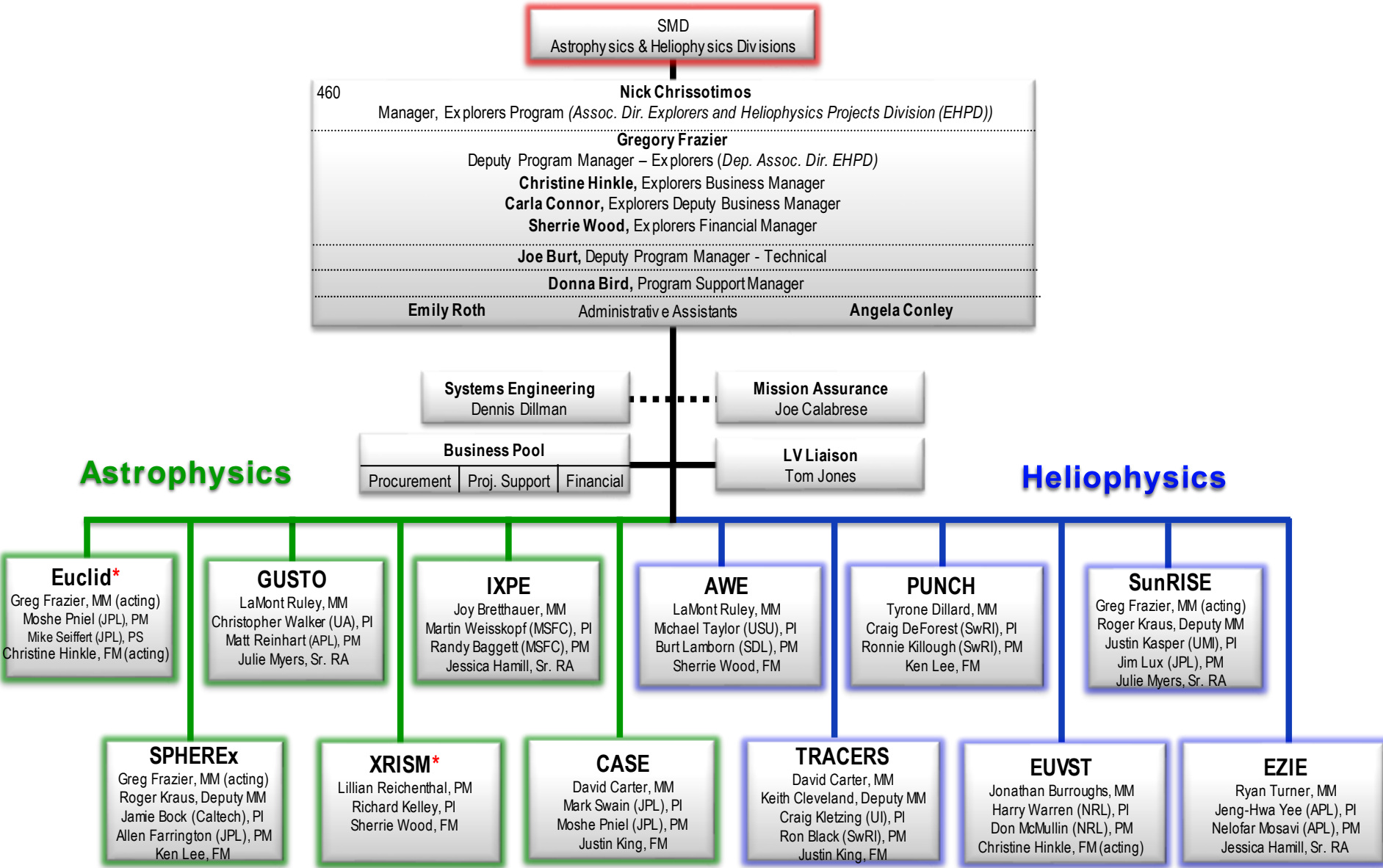


 Astrophysics Missions

 Current Astrophysics Missions

 Heliophysics Missions

 Current Heliophysics Missions



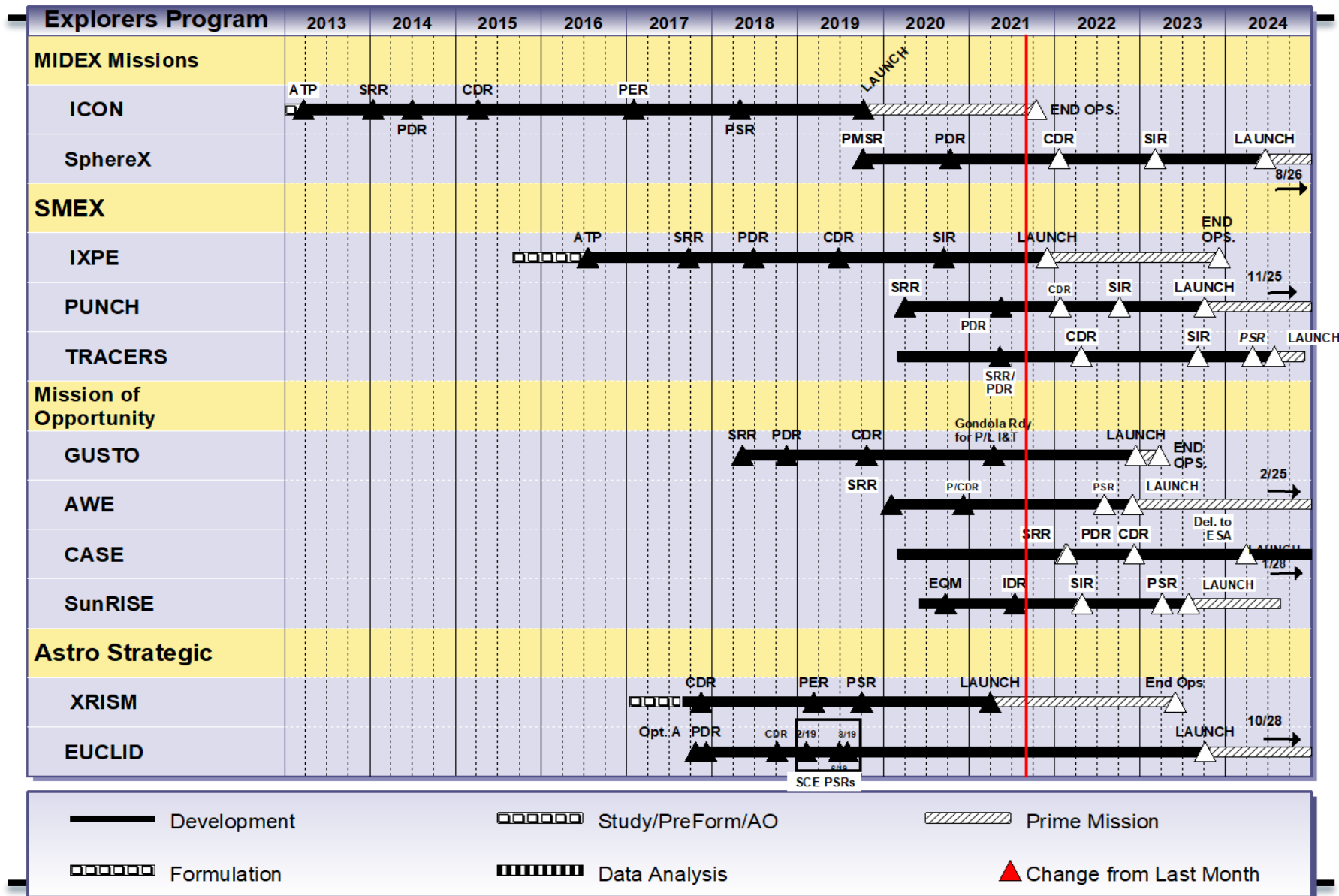
*Strategic Missions



Explorers Program Master Schedule

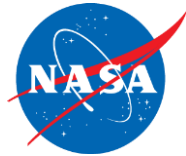


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Mission Development Responsibilities



- **NASA responsibility**

- Program administration
- Moderate insight/oversight
- Project review process
- Technical Authority
- Launch vehicle procurement

- **PI responsibility**

- Level-1 science requirements/design concept
 - Mission implementation
 - Technical, cost, and schedule performance
 - Peer reviews
 - Safety and mission assurance
 - › Develop and execute a Mission Assurance Implementation Plan based on Explorers Mission Assurance Requirements.
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Additional Information



Explorers Website:

<http://explorers.gsfc.nasa.gov>

Explorers Library Websites:

<https://explorers.larc.nasa.gov/2021APMIDEX/MIDEX/programlibrary.html>

<https://explorers.larc.nasa.gov/2021APMIDEX/MO/programlibrary.html>